

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/001555

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ C22C38/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) Int. Cl. ⁷ C22C38/00		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005 Kokai Jitsuyo Shinan Koho 1971-2005 Toroku Jitsuyo Shinan Koho 1994-2005		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-71643 A (USINOR), 16 March, 1999 (16.03.99), Claims; column 9, line 47 to column 10, line 39	1-4, 7-12, 15-20 5, 13
Y		
X	JP 56-51222 B2 (Armco Steel Corp.), 03 December, 1981 (03.12.81), Claims; column 3, lines 29 to 38; tables 1, 2	6, 14
Y	JP 1-225754 A (Armco Advanced Materials Inc.), 08 September, 1989 (08.09.89), Claims; page 4, upper left column, lines 15 to 20	5, 13
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 26 April, 2005 (26.04.05)		Date of mailing of the international search report 17 May, 2005 (17.05.05)
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer
Facsimile No.		Telephone No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-194511 A (Caterpillar Inc.), 10 July, 2002 (10.07.02), Claims; column 13, lines 5 to 19	1-20

INTERNATIONAL SEARCH REPORT
Information on patent family members

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IP11 Rec'd PCT/PTO 24 JUL 2006

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<subject to be searched>

Claims 1 and 2 include all types of austenitic-ferritic stainless steel plate. Whereas only the specific "two-phase stainless steel plate which has a chemical composition, in mass %, that C: 0.2 % or less, Si: 4 % or less, Mn: 12 % or less, P: 0.1 % or less, S: 0.03 % or less, Cr: 15 to 35 %, Ni: 3 % or less, and N: 0.05 to 0.6 %, and the balance: Fe and inevitable impurities, and has an austenite phase and a ferrite phase" described in the specification is disclosed in the meaning of PCT Article 5, and, no general means for solving the problem described in the present application for the above-mentioned all types of austenitic-ferritic stainless steel plate is taught even when the technical common sense at the time of filing of the application is taken into consideration. Therefore, claims 1 and 2 lack the support in the meaning of PCT Article 6.

Accordingly, the search has been carried out with respect to the scope supported by and disclosed in the specification, that is, the specific "two-phase stainless steel plate which has a chemical composition, in mass %, that C: 0.2 % or less, Si: 4 % or less, Mn: 12 % or less, P: 0.1 % or less, S: 0.03 % or less, Cr: 15 to 35 %, Ni: 3 % or less, and N: 0.05 to 0.6 %, and the balance: Fe and inevitable impurities, and has an austenite phase and a ferrite phase" described in the specification specifically.

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